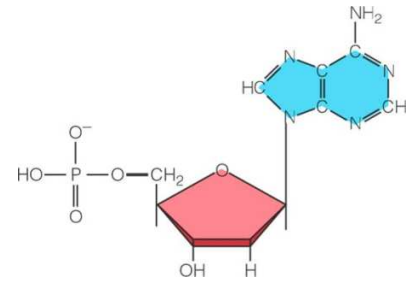


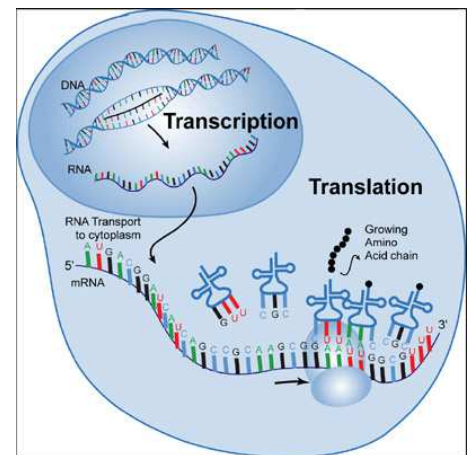
Name: _____

Unit 6 - Genetics

1. Label the three parts of a nucleotide to the right.
2. DNA has _____ strands and the bases ____denine, ____ymine, ____tosine, and ____uanine.
3. RNA has _____ strand and the base ____racil instead of thymine.
4. What are the functions of
mRNA? _____
tRNA? _____
rRNA? _____



5. What are the three different processes that nucleic acid can do?
 - a.
 - b.
 - c.
6. What happens during replication?
7. What happens during transcription?
8. What does AUG code for? _____
9. What do UGA, UAA, and UAG code for? _____
10. What happens during translation?



11. What is the **biology** definition of a mutation?
12. What happens during
 - a. Substitution mutation
 - b. Insertion point mutation
 - c. Deletion point mutation
 - d. Duplication chromosomal mutation
 - e. Deletion chromosomal mutation
 - f. Inversion chromosomal mutation
 - g. Translocation chromosomal mutation